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September 26, 2019

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd Chief Clerk/Administrator Public Service Commission of South Carolina 101 Executive Center Drive, Suite 100 Columbia, South Carolina 29210

Re: Duke Energy Carolinas, LLC – Monthly Fuel Cost Report and Base Load Power Plant Performance Report Docket No. 1989-9-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in the above captioned docket, enclosed please find the following reports for the month of August 2019.

- 1. Monthly Fuel Cost Report for August 2019 (Exhibit A).
- 2. Base Load Power Plant Performance Report for August 2019 (Exhibit B).

Should you have any questions regarding this matter, please do not hesitate to contact me.

Sincerely,

Rebecca J. Dulin

Enclosures

C: Ms. Dawn Hipp, Office Regulatory Staff

Mr. Scott Elliott, Elliott & Elliott, P.A.

Ms. Nanette Edwards, Office Regulatory Staff

Mr. Jeff Nelson, Office Regulatory Staff

Michael Seaman-Huynh, Office of Regulatory Staff

Ms. Heather Shirley Smith, Duke Energy

DUKE ENERGY CAROLINAS SUMMARY OF MONTHLY FUEL REPORT

Line <u>No.</u>		 august 2019
1	Fuel and Fuel-related Costs excluding DERP incremental costs	\$ 174,222,570
2	MWH sales: Total system sales. Less intersystem sales	8,821,555 283,802
4	Total sales less intersystem sales	8,537,753
5	Total fuel and fuel-related costs (¢/KWH) (line 1/line 4)	 2.0406
6	Current fuel and fuel-related cost component (¢/KWH) (per Schedule 4, Line 2 + Line 10 + Line 18)	 2.0921
7 8 9 10 11 12	Generation Mix (MWH): Fossil (by primary fuel type): Coal Fuel Oil Natural Gas - Combined Cycle Natural Gas - Combustion Turbine Natural Gas - Steam Biogas Total fossil	2,901,685 6,768 1,478,756 91,536 54,955 - 4,533,700
14	Nuclear 100%	5,326,381
15 16 17	Hydro - Conventional Hydro - Pumped storage Total hydro	 110,121 (67,061) 43,060
18	Solar Distributed Generation	14,318
19	Total MWH generation	9,917,459
20 21	Less joint owners' portion - Nuclear Less joint owners' portion - Combined Cycle	1,369,308 73,155
22	Adjusted total MWH generation	 8,474,996

Note: Detail amounts may not add to totals shown due to rounding.

Exhibit A Schedule 2

DUKE ENERGY CAROLINAS DETAILS OF FUEL AND FUEL-RELATED COSTS

Fuel and fuel-related costs:		August 2019
Steam Generation - Account 501 0501110 coal consumed - steam 0501310 fuel oil consumed - steam 0501330 fuel oil light-off - steam	\$	92,374,694 603,157 339,204
Total Steam Generation - Account 501		93,317,055
Nuclear Generation - Account 518 0518100 burnup of owned fuel		23,864,318
Other Generation - Account 547 0547100, 0547124 natural gas consumed - Combustion Turbine 0547100, 0547124 natural gas capacity - Combustion Turbine 0547100 natural gas consumed - Steam 0547101 natural gas consumed - Combined Cycle 0547101 natural gas capacity - Combined Cycle 0547106 biogas consumed - Combined Cycle 0547200 fuel oil consumed - Combustion Turbine Total Other Generation - Account 547		2,546,648 522,673 1,639,810 26,334,386 3,271,651 - 7,629 34,322,797
Purchased Power and Net Interchange - Account 555 Fuel and fuel-related component of purchased power Fuel and fuel-related component of DERP purchases PURPA purchased power capacity DERP purchased power capacity Total Purchased Power and Net Interchange - Account 555	_	18,384,770 26,481 7,119,137 3,738 25,534,126
Less: Fuel and fuel-related costs recovered through intersystem sales Fuel in loss compensation Solar Integration Charge Total Fuel Credits - Account 447/456		5,785,460 99,836 1,290 5,886,586
Environmental Costs 0509000, 0557451 emission allowance expense 0502020, 0502030, 0502040, 0502082, 0548020 reagent expense 0502080, 0502083, 0502090, 0502150 sorbent expense Emission allowance gains Less reagents expense recovered through intersystem sales - Account 447 Less emissions expense recovered through intersystem sales - Account 447 Total Environmental Component of Recovery		632 2,840,872 332,386 - 70,482 32,546 3,070,862
Total Fuel and Fuel-related Costs excluding DERP incremental costs	\$	174,222,570
- -		-
DERP incremental costs		499,067
Total Fuel and Fuel-related Costs to be Recovered	\$	174,721,637

Notes: Detail amounts may not add to totals shown due to rounding. Report reflects net ownership costs of jointly owned facilities.

DUKE ENERGY CAROLINAS PURCHASED POWER AND INTERCHANGE SOUTH CAROLINA

August 2019

Purchased Power	 Total	 Capacity	Non-capacity				
Marketers, Utilities, Other	 \$	 \$	mWh		Fuel \$	No	on-fuel \$
Blue Ridge Electric Membership Corp.	\$ 1,541,327	\$ 689,846	24,991	\$	851,481		-
Haywood Electric	366,529	180,998	7,218		185,531		-
Lockhart Power Co.	-	-	, -		-		-
Macquarie Energy, LLC	92,304	-	3,496		82,592	\$	9,712
NCEMC	4,657	4,657	-		- ,	•	
NCMPA	862.159	-	42,453		862,159		_
NTE Carolinas LLC	54,080	_	2,080		48,675		5,405
Piedmont Electric Membership Corp.	740,273	324,457	11,904		415,816		5,405
Piedmont Municipal Power Agency	75,147	024,407	4.005		75,147		_
PJM Interconnection. LLC.	68.353	-	4,550		68,353		_
Southern Company Services, Inc.	,	-	5,436		,		-
	54,360	-	3,430		54,360		-
Town of Dallas	584	584	-		-		-
Town of Forest City	19,856	19,856	-				
DE Progress - Native Load Transfer	5,266,350	-	268,430		5,265,010		1,340
DE Progress - Native Load Transfer Benefit	181,580	-	-		181,580		-
Generation Imbalance	306,566	-	13,568		142,766		163,800
Energy Imbalance - Purchases	52,581	-	536		30,448		22,133
Energy Imbalance - Sales	 (43,424)	 <u> </u>	-		(40,731)		(2,693)
	\$ 9,643,282	\$ 1,220,398	388,667	\$	8,223,187	\$	199,697
Act 236 PURPA Purchases							
Cherokee County Cogeneration Partners	\$ 4,885,059	\$ 3,200,490	58,020	\$	1,684,569		
Renewable Energy	8,192,627	2,605,889	108,046		5,586,738		
DERP	40,013	3,738	663		26,481		9,794
Other Qualifying Facilities	 4,175,715	 1,312,758	58,785		2,749,375		113,582
	\$ 17,293,414	\$ 7,122,875	225,514	\$	10,047,163	\$	123,376
Other Purchases	 1,058	\$ <u> </u>	31	\$		\$	1,058
Total Purchased Power	\$ 26,937,754	\$ 8,343,273	614,212	\$	18,270,350	\$	324,131
Interchanges In							
Other Catawba Joint Owners	7,417,345		694,978		4,475,991		2,941,354
	, ,	-	,		, ,		
WS Lee Joint Owner	 1,055,607	 	46,302		867,948		187,659
Total Interchanges In	 8,472,952	 <u>-</u>	741,281		5,343,939		3,129,013
nterchanges Out							
Other Catawba Joint Owners	(7,302,188)	(134,209)	(678,710)		(4,373,607)		(2,794,372)
Catawba- Net Negative Generation	-	-	-		-		-
WS Lee Joint Owner	 (1,019,612)	 <u> </u>	(42,636)		(829,431)		(190,181)
Total Interchanges Out	 (8,321,800)	 (134,209)	(721,346)		(5,203,038)		(2,984,553)
Net Purchases and Interchange Power	\$ 27,088,906	\$ 8,209,064	634,147	\$	18,411,251	\$	468,591

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY CAROLINAS INTERSYSTEM SALES* SOUTH CAROLINA

AUGUST 2019

	Total Capac		Capacity		Non-capacity				
Sales		\$		\$	mWh		Fuel \$	No	on-fuel \$
Utilities:									
DE Progress - Emergency	\$	14,867		-	642	\$	13,402	\$	1,465
SC Public Service Authority - Emergency		(10,377)		-	154		5,474		(15,851)
SC Electric & Gas - Emergency		44,917		-	1,090		37,174		7,742
Market Based:									
Central Electric Power Cooperative, Inc.		458,000	\$	458,000	-		-		-
Macquarie Energy, LLC		13,500		-	300		7,608		5,892
NCMPA		104,596		87,500	583		18,149		(1,053)
PJM Interconnection, LLC.		47,947		-	2,488		56,618		(8,671)
Southern Company		9,000		-	900		13,435		(4,435)
The Energy Authority		5,500		-	100		2,933		2,567
Other:									
Cargill-Alliant, LLC - Mitigation sales		-		-	-		-		-
DE Progress - Native Load Transfer Benefit		443,273		-	-		443,273		-
DE Progress - Native Load Transfer		5,593,498		-	273,981		5,342,812		250,686
Generation Imbalance		(86,333)		-	3,564		(52,390)		(33,943)
BPM Transmission		(100,863)		-	•		, , ,		(100,863)
Total Intersystem Sales	\$	6,537,525	\$	545,500	283,802	\$	5,888,488	\$	103,536

^{*} Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

Line No.		Residential	Commercial	Industrial	Total
Actual System kWh sales DERP Net Metered kWh generation Adjusted System kWh sales	Input Input L1 + L2			_	8,537,753,367 10,518,559 8,548,271,926
4 Actual S.C. Retail kWh sales 5 DERP Net Metered kWh generation 6 Adjusted S.C. Retail kWh sales	Input Input L4 + L5	692,345,521 6,310,503 698,656,024	558,699,985 2,387,280 561,087,265	831,018,892 1,820,776 832,839,668	2,082,064,398 10,518,559 2,092,582,957
Base fuel component of recovery: non-capacity 7 Incurred System base fuel - non-capacity expense 8 Eliminate avoided fuel benefit of S.C. net metering 9 Adjusted Incurred System base fuel - non-capacity expense 10 Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	Input Input L7 + L8 L9 / L3 * 100				\$160,208,028 341,777 \$160,549,805 1.8782
11 S.C. Retail portion of adjusted incurred system expense12 Assign 100 % of Avoided Fuel Benefit of S.C net metering13 S.C. Retail portion of incurred system expense	L6 * L10 / 100 Input L11 + L12	\$13,121,844 (175,161) \$12,946,683	\$10,538,089 (81,689) \$10,456,400	\$15,642,021 (84,927) \$15,557,094	\$39,301,954 (341,777) \$38,960,177
 14 Billed base fuel - non-capacity rate (¢/kWh) 15 Billed base fuel - non-capacity revenue 16 DERP NEM incentive - fuel component 17 Adjusted S.C. billed base fuel - non-capacity revenue 	Input L4 * L14 / 100 Input L15 + L16	1.9648 \$13,603,205 (74,618) \$13,528,587	1.9648 \$10,977,337 (34,799) \$10,942,538	1.9648 \$16,327,859 (36,179) \$16,291,680	1.9648 \$40,908,401 (145,596) \$40,762,805
18 S.C. base fuel - non-capacity (over)/under recovery [See footnote] 19 Adjustment 20 Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L17 - L13 Input L18 + L19	(\$581,904) 	(\$486,138) - (\$486,138)	(\$734,586) - (\$734,586)	(\$1,802,628) - - (\$1,802,628)
Base fuel component of recovery: capacity 21 Incurred base fuel - capacity rates by class (¢/kWh) 22 Incurred S.C. base fuel - capacity expense 23 Billed base fuel - capacity rates by class (¢/kWh) 24 Billed S.C. base fuel - capacity revenue 25 S.C. base fuel - capacity (over)/under recovery [See footnote] 26 Adjustment 27 Total S.C. base fuel - capacity (over)/under recovery [See footnote]	Input L4 * L21 / 100 Input L4 * L23 / 100 L24 - L22 Input L25 + L26	0.1970 \$1,363,980 0.1274 882,048 481,932	0.1139 \$636,110 0.1158 646,975 (10,865) - (\$10,865)	0.0796 \$661,328 0.0901 748,748 (87,420) - (\$87,420)	0.1278 \$2,661,418 0.1094 2,277,771 383,647 - \$383,647
Environmental component of recovery 28 Incurred environmental rates by class (¢/kWh) 29 Incurred S.C. environmental expense 30 Billed environmental rates by class (¢/kWh) 31 Billed S.C. environmental revenue 32 S.C. environmental (over)/under recovery [See footnote] 33 Adjustment 34 Total S.C. environmental (over)/under recovery [See footnote]	Input L4 * L28 / 100 Input L4 * L30 / 100 L31 - L29 Input L32 + L33	0.0554 \$383,801 0.0166 114,929 268,872 - \$268,872	0.0320 \$178,991 0.0193 107,829 71,162 - \$71,162	0.0224 \$186,086 0.0168 139,611 46,475 - \$46,475	0.0360 \$748,878 0.0174 362,369 386,509 - \$386,509

	August 2010				
Line No.		Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: avoided costs					
35 Incurred S.C. DERP avoided cost rates by class (¢/kWh)	Input	0.0005	0.0003	0.0002	0.0004
36 Incurred S.C. DERP avoided cost expense	L4 * L35 / 100	\$3,777	\$1,761	\$1,831	\$7,369
37 Billed S.C. DERP avoided cost rates by class (¢/kWh)	Input	0.0006	0.0005	0.0004	0.0005
38 Billed S.C. DERP avoided cost revenue	L4 * L37 / 100	4,154	2,793	3,324	10,271
39 S.C. DERP avoided cost (over)/under recovery [See footnote]	L38 - L36	(377)	(1,032)	(1,493)	(2,902)
40 Adjustment	Input	-	-	-	-
41 Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L39 + L40	(\$377)	(\$1,032)	(\$1,493)	(\$2,902)
Distributed Energy Resource Program component of recovery: incremental costs					
42 Incurred S.C. DERP incremental expense	Input	\$254,948	\$118,898	\$123,612	\$497,458
43 Billed S.C. DERP incremental rates (\$/account)	Input	\$0.89	\$4.28	\$99.56	
44 Billed S.C. DERP incremental revenue	Input	445,253	327,806	151,819	924,878
45 S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L42	(190,305)	(208,908)	(28,207)	(427,420)
46 Adjustment	Input	-	-	-	-
47 Total S.C. DERP incremental (over)/under recovery [See footnote]	L45 + L46	(\$190,305)	(\$208,908)	(\$28,207)	(\$427,420)
48 Total S.C. Retail (over)/under recovery [See footnote]	L20 + L27 + L34 + L41 + L47	(21,782)	(635,781)	(805,231)	(1,462,794)
Year 2018-2019	<u> </u>				
Cumulative (over) / under recovery - BASE FUEL NON-CAPACITY	Cumulative	Residential	Commercial	Industrial	Total Company
_/1 Balance ending May 2018	\$64,562,410	4 040 004	4 404 500	4 070 707	4 005 000
June 2018 - actual	68,657,779	1,313,984	1,104,598	1,676,787	4,095,369
July 2018 - actual	74,109,473	1,918,193	1,509,942	2,023,559	5,451,694
August 2018 - actual	79,557,480	1,778,046	1,439,863	2,230,098	5,448,007
September 2018 - actual	78,314,056 82,454,493	(314,858) 1,429,090	(317,868) 1,306,714	(610,698) 1,404,633	(1,243,424) 4,140,437
_/2, _/3 October 2018 - actual /2 November 2018 - actual	84,389,411	569,756	493,825	871,337	1,934,918
_/2 November 2018 - actual December 2018 - actual	88,123,264	1,360,141	913,578	1,460,134	3,733,853
	88,266,730	74,036	35,086	34,344	3,733,653 143,466
_/3 January 2019 - actual February 2019 - actual	93,039,011	1,645,342	1,177,747	1,949,192	4,772,281
March 2019 - actual	91,131,763	(565,660)	(496,983)	(844,605)	(1,907,248)
April 2019 - actual	87,146,255	(1,034,478)	(1,048,872)	(1,902,158)	(3,985,508)
May 2019 - actual	87,176,757	34,404	(1,046,672) 6,547	(1,902,130)	30,502
June 2019 - actual	83,215,417	(1,219,800)	(1,055,550)	(1,685,990)	(3,961,340)
July 2019 - actual	85,386,585	766,937	598,765	805,466	2,171,168
August 2019 - actual	83,583,957	(581,904)	(486,138)	(734,586)	(1,802,628)
Sentember 2019 - forecast	76 578 869	(2 183 922)	(1 937 891)	(2 883 275)	(7,002,020)

76,578,869

September 2019 - forecast

(7,005,088)

(486,138) (1,937,891)

(2,183,922)

(734,586) (2,883,275)

Line No.

Year	201	8-2019	
. cui	~ .	0 20.0	

	Cumulative (over) / under recovery - BASE FUEL CAPACITY	Cumulative	Residential	Commercial	Industrial	Total Company
_/1	Beginning Balance	(910,631)				
	June 2018 - actual	(1,231,472)	(168,835)	(109,798)	(42,208)	(320,841)
	July 2018 - actual	(705,685)	97,201	127,214	301,372	525,787
	August 2018 - actual	(167,087)	148,770	144,110	245,718	538,598
	September 2018 - actual	(447,925)	(122,234)	(59,118)	(99,486)	(280,838)
_/2, _/3	October 2018 - actual	(768,992)	(155,607)	(165,705)	245	(321,067)
_/2	November 2018 - actual	(1,316,322)	(92,070)	(155,477)	(299,783)	(547,330)
	December 2018 - actual	(2,417,453)	(465,350)	(270,393)	(365,388)	(1,101,131)
	January 2019 - actual	(3,301,777)	(276,593)	(266,449)	(341,282)	(884,324)
	February 2019 - actual	(4,252,925)	(255,719)	(273,449)	(421,980)	(951,148)
	March 2019 - actual	(5,223,777)	(242,726)	(298,361)	(429,765)	(970,852)
	April 2019 - actual	(5,894,084)	(11,486)	(238,213)	(420,608)	(670,307)
	May 2019 - actual	(6,283,595)	146,654	(199,901)	(336,264)	(389,511)
	June 2019 - actual	(6,766,248)	46,028	(204,425)	(324,256)	(482,653)
	July 2019 - actual	(6,423,874)	435,923	(37,726)	(55,823)	342,374
	August 2019 - actual	(6,040,227)	481,932	(10,865)	(87,420)	383,647
	September 2019 - forecast	(6,495,199)	96,802	(232,029)	(319,745)	(454,972)
	Voor 2019 2010					

Year 2018-2019

Cumulative (over)	under recovery	- ENVIRONMENTAL

	Cumulative (over) / under recovery - ENVIRONMENTAL
_/1	Beginning Balance
	June 2018 - actual
	July 2018 - actual
	August 2018 - actual
	September 2018 - actual
_/2	October 2018 - actual
_/2	November 2018 - actual
	December 2018 - actual
	January 2019 - actual
	February 2019 - actual
	March 2019 - actual
	April 2019 - actual
	May 2019 - actual
	June 2019 - actual
	July 2019 - actual
	August 2019 - actual
	September 2019 - forecast

Cumulative	Residential	Commercial	Industrial	Total Company	
(1,461,871)					
(1,205,987)	146,842	32,175	76,867	255,884	
(1,154,405)	48,770	(30,136)	32,948	51,582	
(1,205,110)	23,971	(50,943)	(23,733)	(50,705)	
(1,388,163)	126	(79,741)	(103,438)	(183,053)	
(1,458,759)	(2,312)	(60,262)	(8,022)	(70,596)	
(1,348,880)	80,334	29,032	513	109,879	
(1,291,265)	38,565	18,548	502	57,615	
(1,191,028)	101,872	10,400	(12,035)	100,237	
(1,312,637)	(3,068)	(40,317)	(78,224)	(121,609)	
(1,223,735)	105,076	7,752	(23,926)	88,902	
(1,144,962)	111,893	4,409	(37,529)	78,773	
(965,535)	166,717	23,363	(10,653)	179,427	
(672,086)	219,527	52,209	21,713	293,449	
(315,575)	248,540	60,980	46,991	356,511	
70,934	268,872	71,162	46,475	386,509	
310,413	199,597	33,298	6,584	239,479	

Line No.

	Year 2018-2019					
	Cumulative (over) / under recovery - DERP AVOIDED COSTS	Cumulative	Residential	Commercial	Industrial	Total Company
_/1	Beginning Balance	(24,303)				' '
	June 2018 - actual	(13,251)	9,165	2,683	(796)	11,052
	July 2018 - actual	(879)	10,304	2,796	(728)	12,372
	August 2018 - actual	10,664	9,627	2,710	(794)	11,543
	September 2018 - actual	23,085	10,480	3,062	(1,121)	12,421
_/2	October 2018 - actual	25,717	3,255	486	(1,109)	2,632
_/2	November 2018 - actual	18,004	(2,549)	(2,100)	(3,064)	(7,713)
	December 2018 - actual	9,149	(3,757)	(2,216)	(2,882)	(8,855)
	January 2019 - actual	237	(3,927)	(2,271)	(2,714)	(8,912)
	February 2019 - actual	(4,097)	(1,327)	(1,142)	(1,865)	(4,334)
	March 2019 - actual	(2,941)	1,614	65	(523)	1,156
	April 2019 - actual	(614)	2,567	288	(528)	2,327
	May 2019 - actual	(1,471)	990	(593)	(1,254)	(857)
	June 2019 - actual	(2,092)	851	(443)	(1,029)	(621)
	July 2019 - actual	(5,880)	(940)	(1,320)	(1,528)	(3,788)
	August 2019 - actual	(8,782)	(377)	(1,032)	(1,493)	(2,902)
	September 2019 - forecast	(13,287)	(990)	(1,512)	(2,003)	(4,505)
	Year 2018-2019					
	Cumulative (over) / under recovery - DERP INCREMENTAL COSTS	Cumulative	Residential	Commercial	Industrial	Total Company
_/1	Balance ending May 2018	(966,265)				
	June 2018 - actual	(449,883)	289,414	95,385	131,583	516,382

	Cumulative (over) / under recovery - DERP INCREMENTAL COSTS
_/1	Balance ending May 2018
	June 2018 - actual
	July 2018 - actual
	August 2018 - actual
	September 2018 - actual
_/2	October 2018 - actual
_/2	November 2018 - actual
	December 2018 - actual
	January 2019 - actual
	February 2019 - actual
	March 2019 - actual
	April 2019 - actual
	May 2019 - actual

Cumulative	Residential	Commercial	Industrial	Total Company
(966,265)				
(449,883)	289,414	95,385	131,583	516,382
85,285	297,559	99,538	138,071	535,168
643,476	306,707	106,165	145,319	558,191
1,162,309	263,870	107,060	147,903	518,833
1,458,476	111,032	26,537	158,598	296,167
1,459,229	(86,182)	(63,094)	150,029	753
1,471,614	(81,612)	(59,227)	153,224	12,385
1,432,376	9,232	(115,256)	66,786	(39,238)
1,344,867	(15,961)	(125,035)	53,487	(87,509)
1,366,838	40,294	(99,958)	81,635	21,971
(286,304)	(818,859)	(499,726)	(334,557)	(1,653,142)
(474,031)	(67,487)	(150,947)	30,707	(187,727)
(851,594)	(167,262)	(193,565)	(16,736)	(377,563)
(1,289,813)	(194,017)	(213,903)	(30,299)	(438,219)
(1,717,233)	(190,305)	(208,908)	(28,207)	(427,420)
(2,010,122)	(150,106)	(70,004)	(72,779)	(292,889)

Notes:

June 2019 - actual July 2019 - actual August 2019 - actual September 2019 - forecast

Detail amounts may not recalculate due to percentages presented as rounded.

Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts. Under collections, or regulatory assets, are shown as positive amounts.

- _/1 May 2018 ending balance reflects adjustments pursuant to the docket no. 2018-3-E directive. The total adjustment of \$4,655 was made to the May ending balance
- _/2 Reflects a prorated rate and prorated allocation factor for periods in which the approved rates changed.
- _/3 Includes prior period adjustments.

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DUKE ENERGY CAROLINAS FUEL AND FUEL RELATED COST REPORT AUGUST 2019

		Belews										Mill			Current	Total 12 ME
Description	Allen	Creek	Buck	Catawba	Cliffside	Dan River	Lee	Lee	Lincoln	Marshall	McGuire	Creek	Oconee	Rockingham	Month	August 2019
•	Steam	Steam	CC	Nuclear	Steam - Dual Fuel	CC	CC	Steam/CT	CT	Steam	Nuclear	CT	Nuclear	CŤ		<u> </u>
Cost of Fuel Purchased (\$)																\Rightarrow
Cost of Fuel Purchased (\$) Coal	\$889,649	\$17,930,930			\$17,566,916					\$20,567,268					\$56,954,763	\$667,025,727
Oil					\$17,566,916 57,195											16,576,404
	140,425	573,625	00 440 544		57,195		- 044 700 440	-	-	129,006		-		•	900,251	
Gas - CC			\$9,418,541			ф9,/14,/90	\$11,792,418		A47.770			#70.045		00.040.007	30,925,755	369,260,166
Gas - CT Gas - Steam					1,625,764			14.046	\$47,779			\$72,645		\$2,948,897	3,069,321	48,439,444 43,833,054
					1,023,704	00.744		14,046							1,639,810	2,642,014
Biogas Total	£1,000,074	\$18,504,555	\$9,418,541		\$19,249,875	23,711 \$9,738,507	\$11,792,418	\$14,046	£47.770	\$20,696,274		\$72,645		\$2,948,897	23,711	2,042,014
rotai	\$1,030,074	\$16,504,555	\$9,416,541		\$19,249,675	\$9,736,507	\$11,792,416	\$14,046	\$47,779	\$20,090,274		\$72,043		\$2,940,097	\$93,513,611	\$1,147,776,809
Average Cost of Fuel Purchased (¢/MBTU)															D
Coal	335.46	282.24			256.60	-				271.31					270.63	347.11 ▮
Oil	1,376.09	1,399.32			1,399.76			-	-	1,401.87		-		-	1,396.04	880.19 353.19 343.75
Gas - CC			292.03			291.61	294.81								291.81	353.19
Gas - CT								-	323.95			299.68		293.76	294.32	343.75
Gas - Steam					322.22			-							324.99	372.79
Biogas			-			-	-								-	1,641.68
Weighted Average	374.02	289.41	292.03		261.73	292.32	294.81	INF	323.95	272.68		299.68		293.76	281.55	353.59
0 t - f F l P l (0)																<u> </u>
Cost of Fuel Burned (\$)	04.047.044	000 040 454			000 000 044					000 400 754					000 074 004	\$670,047,779
Coal Oil - CC	\$4,817,244	\$33,040,454			\$22,326,241	-	•	-		\$32,190,754					\$92,374,694	\$670,047,779
Oil - CC Oil - Steam/CT	440.050	045 704	-		43,458	-	-	0.044	AF 000	166.945					-	16,443,722
Gas - CC	116,253	615,704	\$9,418,541		43,458	\$9,714,796	\$11,792,418	2,341	\$5,288	166,945		-		-	949,989	16,443,722
			\$9,416,541			ф9,/14,/90	\$11,792,410		47,779			#70.045		00.040.007	30,925,755	369,260,166
Gas - CT					4 005 704			\$0	47,779			\$72,645		\$2,948,897	3,069,321	48,439,444
Gas - Steam					1,625,764	00.744		14,046							1,639,810	43,833,054
Biogas			-	040 005 045	,	23,711	-				040 450 440		644 405 470		23,711	2,642,014
Nuclear Total	\$4,933,497	\$33,656,158	\$9,418,541	\$10,235,847 \$10,235,847	\$23,995,463	\$9,738,507	\$11,792,418	\$16,387	\$53,066	\$32,357,700	\$10,459,148 \$10,459,148	\$72,645	\$11,435,179 \$11,435,179	\$2,948,897	32,130,174 \$161,113,453	362,784,807 \$1,513,450,986
Iotai	ψ4,333,437	φ55,050,150	ψ9,410,541	ψ10,233,047	Ψ23,993,403	ψ9,730,307	ψ11,732,410	ψ10,307	ψ55,000	φ32,337,700	φ10,439,140	ψ/2,043	φ11,400,179	φ2,540,057	ψ101,113,433	· · · · · · · · · · · · · · · · · · ·
Average Cost of Fuel Burned (¢/M																Ŋ
Coal	361.96	333.21			306.77			-		352.20					333.91	343.27
Oil - CC															-	·
Oil - Steam/CT	1,428.69	1,421.39			1,452.47			1,684.23	1,515.07	1,467.91		-		-	1,432.71	1,523.01
Gas - CC			292.03			291.61	294.81								291.81	353.19
Gas - CT								-	323.95			299.68		293.76	294.32	343.75 S
Gas - Steam					322.22			-							324.99	
Biogas			-			-	-								-	1,641.68 I
Nuclear				59.03							59.52		58.47		58.99	59.49 (
Weighted Average	368.44	337.94	292.03	59.03	308.21	292.32	294.81	10,640.95	351.48	353.58	59.52	299.68	58.47	293.76	170.85	161.58
Average Cost of Generation (¢/kW	/h)															Ϋ́
Coal	4.47	3.13			2.85	-			_	3.36					3.18	3.31
Oil - CC	7.47	3.10			2.00	-				3.00					-	
Oil - Steam/CT	17.60	13.39			13.21	_	_		30.59	13.71		_		-	14.04	- 15.56
Gas - CC	00	.0.00	2.10		.5.21	2.13	2.05		55.55						2.09	2.51
Gas - CT			2.10			2.10	2.00	-	11.60			5.40		3.28	3.35	3.93
Gas - Steam					2.92				-			5.40		3.20	2.98	3.76
Biogas			-		2.02	_	_								-	11.70
Nuclear				0.60)						0.60		0.60		0.60	3.93 O 3.76 O 11.70 O 0.60
Weighted Average	4.55	3.18	2.10	0.60		2.14	2.05	-	12.37	3.38	0.60	5.40	0.60	3.28	1.62	1.51
gg-	7.00	2.10		5.00	2.00		_,00			2.00	2.00	2.10	2.00			1.51

DUKE ENERGY CAROLINAS FUEL AND FUEL RELATED COST REPORT AUGUST 2019

		Belews										Mill			Current	Total 12 ME
Description	Allen	Creek	Buck	Catawba	Cliffside	Dan River	Lee	Lee	Lincoln	Marshall	McGuire	Creek	Oconee	Rockingham	Month	August 2019
	Steam	Steam	CC	Nuclear	Steam - Dual Fuel	CC	CC	Steam/CT	CT	Steam	Nuclear	CT	Nuclear	CT		
Burned MBTU's																
Coal	1,330,895	9,915,809			7,277,962			-		9,139,992					27,664,658	195,196,068
Oil - CC															-	- <u>L</u>
Oil - Steam/CT	8,137	43,317			2,992			139	349	11,373		-		-	66,307	1,079,685 Г
Gas - CC			3,225,250			3,331,485	4,000,039								10,556,774	104,550,276
Gas - CT								-	14,749			24,241		1,003,857	1,042,847	14,091,313 – 11,758,234 –
Gas - Steam					504,550			15							504,565	11,758,234
Biogas			-			-	-								-	160 934
Nuclear				17,340,328							17,571,535		19,556,241		54,468,104	609,834,796
Total	1,339,032	9,959,126	3,225,250	17,340,328	7,785,504	3,331,485	4,000,039	154	15,098	9,151,365	17,571,535	24,241	19,556,241	1,003,857	94,303,255	936,671,306
																•
Net Generation (mWh)																'
Coal	107,713	1,054,194			782,817					956,960					2,901,685	20,273,123
Oil - CC															•	
Oil - Steam/CT	661	4,598			329	-	-	(54)	17	1,218		-		-	6,768	105 700
Gas - CC			448,215			456,098	574,443	-							1,478,756	14,738,037
Gas - CT								(52)	412			1,346		89,830	91,536	1,233,201
Gas - Steam					55,622			(667)							54,955	1,164,605 🕻
Biogas			-			-	-								-	22,588
Nuclear 100%				1,695,654							1,732,188		1,898,539		5,326,381	60,342,068
Hydro (Total System)															43,060	2,338,709 130,779
Solar (Total System)															14,318	130,779
Total	108,374	1,058,792	448,215	1,695,654	838,768	456,098	574,443	(773)	429	958,178	1,732,188	1,346	1,898,539	89,830	9,917,459	100,348,810
																7
																ב ב
Cost of Reagents Consumed (\$)																
Ammonia		\$293,162	\$15,222		\$53,227	\$13,074	\$10,596								\$385,281	\$2,798,196
Limestone	\$0	781,011			864,824					\$652,781					2,298,617	17,581,773
Sorbents	-	114,050								158,280					272,329	1,917,978
Urea	4,988									83,635					88,623	595,006
Re-emission Chemical		69,700													69,700	245,733
Dibasic Acid	-														-	· -
Activated Carbon	60,057									-					60,057	145,005
Lime (water emissions)	3,339	153,213								6,307					162,859 A	179,566 _
Total	\$68,384	\$1,411,136	\$15,222		\$918,052	\$13,074	\$10,596			\$901,003		·			\$3,337,466	\$23,463,257
																<u> </u>

Notes:

A - Lime water emissions for the month of Augsut 2019 includes \$91,375 for Belews Creek station for the month of July 2019. Detail amounts may not add to totals shown due to rounding.

Data is reflected at 100% ownership.

Data is reflected at 100% ownership.

Schedule excludes in-transit and terminal activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Re-emission chemical reagent expense is not recoverable in NC.

Lime (water emissions) expense is not recoverable in SC.

DUKE ENERGY CAROLINAS FUEL AND FUEL RELATED CONSUMPTION AND INVENTORY REPORT AUGUST 2019

		Belews										Current	Total 12 ME
Description	Allen Steam	Creek Steam	Buck CC	Cliffside Steam - Dual Fuel	Dan River CC	Lee CC	Lee Steam/CT	Lincoln CT	Marshall Steam	Mill Creek CT	Rockingham CT	Month	August 2019
Coal Data:	Steam	Steam	00	Steam - Duai Fuei	CC	CC	Steam/CT	O1	Steam	O1	CI		
Beginning balance	229,746	818,708		397,661			-		796,600			2,242,714	2,123,187
Tons received during period	11,862	254,813		282,362					299,180			848,217	7,925,046
Inventory adjustments	358	(10,320)		(0)			-		(0)			(9,963)	(195,267
Tons burned during period	56,215	400,480		300,626			-		365,060			1,122,381	7,894,378
Ending balance	185,751	662,720		379,397			-		730,719			1,958,588	1,958,588
MBTUs per ton burned	23.68	24.76		24.21			-		25.04			24.65	24.73
Cost of ending inventory (\$/ton)	86.25	80.30		74.27			-		88.18			82.64	82.64
Dil Data:													
Beginning balance	88,273	192,100	-	202,132	-	-	626,335	9,739,173	356,573	4,366,782	3,238,190	18,809,558	18,894,088
Gallons received during period	73,947	297,051	-	29,609	-	-	-	-	66,684	-	-	467,291	8,068,934
Miscellaneous adjustments	-	(22,121)	-	(11,721)	-	-	-	-	-	-	-	(34,826)	(369,091
Gallons burned during period	59,492	314,439		21,631	-	-	1,006	2,523	82,505	-	-	480,612	7,832,519
Ending balance	102,728	152,591	-	198,389	-	-	625,329	9,736,650	340,752	4,366,782	3,238,190	18,761,411	18,761,411
Cost of ending inventory (\$/gal)	1.95	1.96	-	2.01	-	-	2.33	2.10	2.02	2.47	2.17	2.20	2.20
latural Gas Data:													
Beginning balance													
MCF received during period			3,121,517	489,585	3,223,184	3,895,030	15	14,251		23,629	970,836	11,738,046	126,723,276
MCF burned during period			3,121,517	489,585	3,223,184	3,895,030	15	14,251		23,629	970,836	11,738,046	126,723,276
Ending balance													
liogas Data:													
Beginning balance													
MCF received during period			-		-	-						-	156,281
MCF burned during period			-		-	-						-	156,281
Ending balance													
imestone Data:													
Beginning balance	29,139	39,292		21,634					28,503			118,568	152,865
Tons received during period	-	6,820		16,005					40,208			63,033	409,150
Inventory adjustments	-	-		-					-			-	(14,991
Tons consumed during period	-	20,593		18,228					17,901			56,722	422,145
Ending balance	29,139	25,519		19,411					50,810			124,879	124,879
Cost of ending inventory (\$/ton)	45.56	37.89		38.11					36.47			39.13	39.13
											_	Qtr Ending June 2019	Total 12 ME June 2019
Ammonia Data:											=	00116 £013	JUIIG 2013
Beginning balance		1,492										1,492	1,523
Tons received during period		1,151										1,151	3,470
Tons consumed during period		793										793	3,144
Ending balance		1,850										1,850	1,850
		503.35										503.35	503.35

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit and terminal activity.
Gas is burned as received; therefore, inventory balances are not maintained.

DUKE ENERGY CAROLINAS ANALYSIS OF COAL PURCHASED AUGUST 2019

STATION	ТҮРЕ	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ALLEN	SPOT CONTRACT FIXED TRANSPORTATION / ADJUSTMENTS TOTAL	11,862 - 11,862	\$ - 804,030 85,619 889,649	\$ - 67.78 - 75.00
BELEWS CREEK	SPOT CONTRACT FIXED TRANSPORTATION / ADJUSTMENTS TOTAL	25,419 229,394 - 254,813	2,011,391 15,207,951 711,588 17,930,930	79.13 66.30 - 70.37
CLIFFSIDE	SPOT	39,065	2,646,509	67.75
	CONTRACT	243,297	14,364,351	59.04
	FIXED TRANSPORTATION / ADJUSTMENTS	-	556,055	-
	TOTAL	282,362	17,566,916	62.21
MARSHALL	SPOT	51,479	3,841,521	74.62
	CONTRACT	247,700	15,834,792	63.93
	FIXED TRANSPORTATION / ADJUSTMENTS	-	890,956	-
	TOTAL	299,180	20,567,268	68.75
ALL PLANTS	SPOT	115,963	8,499,421	73.29
	CONTRACT	732,253	46,211,124	63.11
	FIXED TRANSPORTATION / ADJUSTMENTS	-	2,244,218	-
	TOTAL	848,217	\$ 56,954,763	\$ 67.15

DUKE ENERGY CAROLINAS ANALYSIS OF COAL QUALITY RECEIVED AUGUST 2019

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
ALLEN	12.37	13.26	11,179	1.14
BELEWS CREEK	6.58	10.19	12,466	1.51
CLIFFSIDE	10.71	7.73	12,123	2.15
MARSHALL	6.20	9.45	12,669	1.82

DUKE ENERGY CAROLINAS ANALYSIS OF OIL PURCHASED AUGUST 2019

		ALLEN	BELE	WS CREEK
VENDOR	Hi	ghTowers	Hi	ghTowers
SPOT/CONTRACT	(Contract	(Contract
SULFUR CONTENT %		0		0
GALLONS RECEIVED		73,947		297,051
TOTAL DELIVERED COST	\$	140,425	\$	573,625
DELIVERED COST/GALLON	\$	1.90	\$	1.93
BTU/GALLON		138,000		138,000
	CL	IFFSIDE	M	ARSHALL
VENDOR	Hiç	ghTowers	Hi	ghTowers
SPOT/CONTRACT	(Contract	(Contract
SULFUR CONTENT %		0		0
GALLONS RECEIVED		29,609		66,684
TOTAL DELIVERED COST	\$	57,195	\$	129,006
DELIVERED COST/GALLON	\$	1.93	\$	1.93
BTU/GALLON		138,000		138,000

Exhibit A
Schedule 10
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Duke Energy Carolinas Power Plant Performance Data Twelve Month Summary

September, 2018 - August, 2019 Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Oconee 1	6,764,386	847	91.17	90.26
Oconee 2	7,588,799	848	102.16	99.99
Oconee 3	7,604,480	859	101.06	100.00
McGuire 1	9,280,637	1,158	91.49	90.28
McGuire 2	9,491,189	1,158	93.56	91.87
Catawba 1	9,500,110	1,160	93.49	92.99
Catawba 2	10,112,467	1,150	100.38	99.98

Twelve Month Summary September, 2018 through August, 2019 Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Buck CC	11	1,259,036	206	69.77	76.76
Buck CC	12	1,265,031	206	70.10	76.92
Buck CC	ST10	1,913,438	312	70.01	83.97
Buck CC	Block Total	4,437,505	724	69.97	79.92
Dan River CC	8	1,442,615	199	82.75	86.67
Dan River CC	9	1,427,995	199	81.92	86.21
Dan River CC	ST7	2,110,068	320	75.27	91.63
Dan River CC	Block Total	4,980,678	718	79.19	88.75
WS Lee CC	11	1,584,178	232	77.84	79.99
WS Lee CC	12	1,577,629	232	77.74	79.22
WS Lee CC	ST10	2,180,635	337	73.87	78.38
WS Lee CC	Block Total	5,342,442	801	76.14	79.18

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- Data is reflected at 100% ownership.

Duke Energy Carolinas Power Plant Performance Data Twelve Month Summary September, 2018 through August, 2019

Baseload Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Belews Creek 1	4,632,807	1,110	47.64	83.22
Belews Creek 2	2,825,925	1,110	29.06	62.42
Marshall 3	2,558,695	658	44.39	79.43
Marshall 4	3,235,647	660	55.96	81.53

Notes:

 Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Carolinas Power Plant Performance Data Twelve Month Summary

September, 2018 through August, 2019

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Cliffside 6	4,142,475	847	55.81	73.65
Marshall 1	1,129,681	380	33.94	85.28
Marshall 2	750,771	380	22.55	56.71

Notes:

 Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Twelve Month Summary September, 2018 through August, 2019 Other Cycling Steam Units

Unit Name	<u>}</u>	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Allen	1	66,120	167	4.52	88.30
Allen	2	48,396	167	3.31	88.23
Allen	3	87,893	270	3.72	76.29
Allen	4	152,140	267	6.50	82.29
Allen	5	346,886	259	15.29	86.31
Cliffside	5	1,563,818	546	32.70	74.59
Lee	3	-1,612	173	0.00	67.62

Notes:

Units in commercial operation for the full month are presented. Pre-commercial
or partial month commercial operations are not included.

Twelve Month Summary September, 2018 through August, 2019 Combustion Turbine Stations

	N . G	~	<u> </u>
Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Lee CT	16,138	96	96.66
Lincoln CT	15,923	1,565	90.90
Mill Creek CT	112,035	750	99.30
Rockingham CT	1,092,891	895	91.88

Notes:

 Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Exhibit A Schedule 10 Page 7 of 7

Twelve Month Summary September, 2018 through August, 2019 Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Conventional Hydroelectric Stations:			
Bear Creek	25,240	9.5	67.56
Bridgewater	118,543	31.5	94.86
Bryson	3,898	0.9	97.31
Cedar Cliff	29,703	6.8	98.49
Cedar Creek	221,371	45.0	98.74
Cowans Ford	351,970	324.0	65.18
Dearborn	211,779	42.0	86.31
Fishing Creek	221,794	50.0	83.23
Franklin	1,911	1.0	63.95
Gaston Shoals	11,747	4.5	97.52
Great Falls	-77	12.0	77.66
Keowee	102,419	152.0	94.29
Lookout Shoals	176,470	27.0	99.11
Mission	3,956	1.8	59.00
Mountain Island	234,934	62.0	88.05
Nantahala	255,154	50.0	90.14
Ninety-Nine Islands	87,794	15.2	80.76
Oxford	148,863	40.0	81.09
Queens Creek	5,968	1.4	95.34
Rhodhiss	121,403	33.4	97.02
Tennessee Creek	30,234	9.8	55.73
Thorpe	115,365	19.7	97.19
Tuckasegee	11,031	2.5	99.25
Tuxedo	28,860	6.4	98.04
Wateree	412,754	85.0	90.30
Wylie	101,652	72.0	21.03
Pumped Storage Hydroelectric Stations:			
Gross Generation			
Bad Creek	2,157,989	1,360.0	95.74
Jocassee	1,077,462	780.0	90.51
Energy for Pumping			
Bad Creek	-2,748,456		
Jocassee	-1,183,022		
Net Generation			
Bad Creek	-590,467		
Jocassee	-105,560		

Notes:

 Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Carolinas
Base Load Power Plant Performance Review Plan

							Period: August, 2019	Z
Station	Unit	Date of Outage	Duration of Outage	Scheduled / Unscheduled	Cause of Outage	Reason Outage Occurred	Remedial Action Taken	ONIC
Oconee	1	None						TRONICALLY FILED
	2	None						1
	3	None						2019 8
McGuire	1	None						Septem
	2	None						September 26
Catawba	1	None						12:11
	2	None						PM - 8

ELEC-

Belews Creek Station

Unit	Duration of Outage	Type of Outage	Cause of Outage		Reason Outage Occurred	Remedial Action Taken				
1	8/1/2019 12:44:00 AM To 8/5/2019 3:12:00 AM	Sch	1060	First Reheater Leaks	Unit 1 Reheat Tube Leak					
	Buck Combined Cycle Station									
			Cause of Outage							
Unit	Duration of Outage	Type of Outage	Cause	of Outage	Reason Outage Occurred	Remedial Action Taken				

Dan River Combined Cycle Station

No Outages at Baseload Units During the Month.

Marshall Station

Unit	Duration of Outage	Type of Outage	Cause	of Outage	Reason Outage Occurred	Remedial Action Taken
4	8/2/2019 7:52:00 PM To 8/7/2019 9:13:00 PM	Unsch	1060	First Reheater Leaks	Horizonal Reheat Tube Repairs.	
4	8/25/2019 4:03:00 AM To 8/25/2019 2:20:00 PM	Unsch	4630	Generator Liquid Cooling System	4A and B Generator Stator Cooler Pumps Trip- MFT during Runback	
4	8/26/2019 5:00:00 AM To 8/27/2019 2:30:00 AM	Unsch	1000	Furnace Wall Leaks	Waterwall Tube Leak Repairs "B" Furance at Outlet Header.	

WS Lee Combined Cycle

No Outages at Baseload Units During the Month.

- Units in commercial operation for the full month are presented. Precommercial or partial month commercial operations are not included.
- Data is reflected at 100% ownership.

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August 2019 **Oconee Nuclear Station**

	Unit	<u>1</u>	Unit	2	Unit	3	
(A) MDC (mW)	847		848		859		
(B) Period Hours	744		744		744		
(C) Net Gen (mWh) and Capacity Factor (%)	629,204	99.85	635,127	100.67	634,208	99.24	
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00	0	0.00	0	0.00	
* (E) Net mWh Not Gen due to Partial Scheduled Outages	252	0.04	187	0.03	0	0.00	
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00	0	0.00	0	0.00	
* (G) Net mWh Not Gen due to Partial Forced Outages	712	0.11	-4,402	-0.70	4,888	0.76	
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00	0	0.00	
* (I) Core Conservation	0	0.00	0	0.00	0	0.00	
(J) Net mWh Possible in Period	630,168	100.00%	630,912	100.00%	639,096	100.00%	
(K) Equivalent Availability (%)		99.96		99.97		100.00	
(L) Output Factor (%)		99.85		100.67		99.24	
(M) Heat Rate (BTU/NkWh)		10,360		10,257		10,285	

Exhibit B Page 4 of 25

August 2019 **McGuire Nuclear Station**

	Unit	1	Unit	2	
(A) MDC (mW)	1158		1158		
(B) Period Hours	744		744		
(C) Net Gen (mWh) and Capacity Factor (%)	869,487	100.92	862,701	100.13	
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00	0	0.00	
* (E) Net mWh Not Gen due to Partial Scheduled Outages	0	0.00	0	0.00	
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00	0	0.00	
* (G) Net mWh Not Gen due to Partial Forced Outages	-7,935	-0.92	-1,149	-0.13	
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00	
* (I) Core Conservation	0	0.00	0	0.00	
(J) Net mWh Possible in Period	861,552	100.00%	861,552	100.00%	
(K) Equivalent Availability (%)		100.00		100.00	
(L) Output Factor (%)		100.92		100.13	
(M) Heat Rate (BTU/NkWh)		10,091		10,198	

Exhibit B Page 5 of 25

August 2019 **Catawba Nuclear Station**

	Unit	1	Unit	2
(A) MDC (mW)	1160		1150	
(B) Period Hours	744		744	
(C) Net Gen (mWh) and Capacity Factor (%)	861,311	99.80	834,343	97.52
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	0	0.00	13,158	1.54
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	1,729	0.20	8,099	0.94
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00
* (I) Core Conservation	0	0.00	0	0.00
(J) Net mWh Possible in Period	863,040	100.00%	855,600	100.00%
(K) Equivalent Availability (%)		100.00		100.00
(L) Output Factor (%)		99.80		97.52
(M) Heat Rate (BTU/NkWh)		10,212		10,241

Belews Creek Station

	Unit 1	Unit 2
(A) MDC (mW)	1,110	1,110
(B) Period Hrs	744	744
(C) Net Generation (mWh)	497,737	561,055
(D) Capacity Factor (%)	60.27	67.94
(E) Net mWh Not Generated due to Full Scheduled Outages	109,298	0
(F) Scheduled Outages: percent of Period Hrs	13.23	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	0	0
(H) Scheduled Derates: percent of Period Hrs	0.00	0.00
(I) Net mWh Not Generated due to Full Forced Outages	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	11,831	794
(L) Forced Derates: percent of Period Hrs	1.43	0.10
(M) Net mWh Not Generated due to Economic Dispatch	206,974	263,991
(N) Economic Dispatch: percent of Period Hrs	25.06	31.97
(O) Net mWh Possible in Period	825,840	825,840
(P) Equivalent Availability (%)	85.33	99.90
(Q) Output Factor (%)	69.46	67.94
(R) Heat Rate (BTU/NkWh)	9,271	9,526

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's
- Data is reflected at 100% ownership.

Buck Combined Cycle Station

	Unit 11	Unit 12	Unit ST10	Block Total
(A) MDC (mW)	206	206	312	724
(B) Period Hrs	744	744	744	744
(C) Net Generation (mWh)	123,260	124,509	200,446	448,215
(D) Capacity Factor (%)	80.42	81.24	86.35	83.21
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	20,807	20,832	0	41,639
(H) Scheduled Derates: percent of Period Hrs	13.58	13.59	0.00	7.73
(I) Net mWh Not Generated due to Full Forced Outages	185	0	0	185
(J) Forced Outages: percent of Period Hrs	0.12	0.00	0.00	0.03
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	9,012	7,923	31,682	48,617
(N) Economic Dispatch: percent of Period Hrs	5.88	5.17	13.65	9.03
(O) Net mWh Possible in Period	153,264	153,264	232,128	538,656
(P) Equivalent Availability (%)	86.30	86.41	100.00	92.24
(Q) Output Factor (%)	82.76	82.42	87.86	84.87
(R) Heat Rate (BTU/NkWh)	10,313	10,117	2,795	6,896

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's
- Data is reflected at 100% ownership.

Dan River Combined Cycle Station

	Unit 8	Unit 9	Unit ST07	Block Total
(A) MDC (mW)	199	199	320	718
(B) Period Hrs	744	744	744	744
(C) Net Generation (mWh)	126,428	126,086	203,584	456,098
(D) Capacity Factor (%)	85.39	85.16	85.51	85.38
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	20,832	20,832	0	41,664
(H) Scheduled Derates: percent of Period Hrs	14.07	14.07	0.00	7.80
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	796	1,138	34,496	36,430
(N) Economic Dispatch: percent of Period Hrs	0.54	0.77	14.49	6.82
(O) Net mWh Possible in Period	148,056	148,056	238,080	534,192
(P) Equivalent Availability (%)	85.93	85.93	100.00	92.20
(Q) Output Factor (%)	86.36	86.74	86.97	86.74
(R) Heat Rate (BTU/NkWh)	10,732	10,715	2,821	7,196

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's
- Data is reflected at 100% ownership.

Marshall Station

	Unit 3	Unit 4
(A) MDC (mW)	658	660
(B) Period Hrs	744	744
(C) Net Generation (mWh)	375,737	301,919
(D) Capacity Factor (%)	76.75	61.49
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	0	930
(H) Scheduled Derates: percent of Period Hrs	0.00	0.19
(I) Net mWh Not Generated due to Full Forced Outages	0	101,068
(J) Forced Outages: percent of Period Hrs	0.00	20.58
(K) Net mWh Not Generated due to Partial Forced Outages	6,286	0
(L) Forced Derates: percent of Period Hrs	1.28	0.00
(M) Net mWh Not Generated due to Economic Dispatch	107,529	87,123
(N) Economic Dispatch: percent of Period Hrs	21.96	17.74
(O) Net mWh Possible in Period	489,552	491,040
(P) Equivalent Availability (%)	98.72	79.23
(Q) Output Factor (%)	76.75	79.39
(R) Heat Rate (BTU/NkWh)	9,485	9,327

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's
- Data is reflected at 100% ownership.

WS Lee Combined Cycle

	Unit 11	Unit 12	Unit ST10	Block Total
(A) MDC (mW)	237	236	337	810
(B) Period Hrs	744	744	744	744
(C) Net Generation (mWh)	168,586	167,982	237,875	574,443
(D) Capacity Factor (%)	95.61	95.67	94.87	95.32
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	0	0	17,856	17,856
(H) Scheduled Derates: percent of Period Hrs	0.00	0.00	7.12	2.96
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	7,742	7,602	0	15,344
(N) Economic Dispatch: percent of Period Hrs	4.39	4.33	0.00	2.55
(O) Net mWh Possible in Period	176,328	175,584	250,728	602,640
(P) Equivalent Availability (%)	100.00	100.00	92.88	97.04
(Q) Output Factor (%)	95.79	95.67	94.87	95.37
(R) Heat Rate (BTU/NkWh)	10,428	10,461	2,356	7,095

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's
- Data is reflected at 100% ownership.

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Duke Energy Carolinas Intermediate Power Plant Performance Review Plan August 2019

Cliffside Station

Cliffside 6

(A)	MDC (mW)	849
(B)	Period Hrs	744
(C)	Net Generation (mWh)	610,793
(D)	Net mWh Possible in Period	631,656
(E)	Equivalent Availability (%)	99.27
(F)	Output Factor (%)	96.70
(G)	Capacity Factor (%)	96.70

Notes:

 Units in commercial operation for the full month are presented. Precommercial or partial month commercial operations are not included.

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Duke Energy Carolinas Peaking Power Plant Performance Review Plan August 2019

Cliffside Station

		Unit 5
(A)	MDC (mW)	546
(B)	Period Hrs	744
(C)	Net Generation (mWh)	227,975
(D)	Net mWh Possible in Period	406,224
(E)	Equivalent Availability (%)	92.55
(F)	Output Factor (%)	64.84
(G)	Capacity Factor (%)	56.12

Notes:

 Units in commercial operation for the full month are presented. Precommercial or partial month commercial operations are not included.

Exhibit B

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Duke Energy Carolinas Base Load Power Plant Performance Review Plan

September 2018 - August 2019 **Oconee Nuclear Station**

	Unit	1	Unit	2	Unit	3	
(A) MDC (mW)	847		848		859		
(B) Period Hours	8760		8760		8760		
(C) Net Gen (mWh) and Capacity Factor (%)	6,764,386	91.17	7,588,799	102.16	7,604,480	101.06	
(D) Net mWh Not Gen due to Full Schedule Outages	524,378	7.07	0	0.00	0	0.00	
* (E) Net mWh Not Gen due to Partial Scheduled Outages	29,951	0.40	455	0.01	208	0.00	
(F) Net mWh Not Gen due to Full Forced Outages	151,811	2.05	0	0.00	0	0.00	
* (G) Net mWh Not Gen due to Partial Forced Outages	-50,805	-0.69	-160,774	-2.17	-79,848	-1.06	
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00	0	0.00	
* (I) Core Conservation	0	0.00	0	0.00	0	0.00	
(J) Net mWh Possible in Period	7,419,720	100.00%	7,428,480	100.00%	7,524,840	100.00%	
(K) Equivalent Availability (%)		90.26		99.99		100.00	
(L) Output Factor (%)		100.31		102.16		101.06	
(M) Heat Rate (BTU/NkWh)		10,240		10,116		10,096	

Exhibit B Page 14 of 25

September 2018 - August 2019 **McGuire Nuclear Station**

	<u>Unit</u>	1	Unit	2	
(A) MDC (mW)	1158		1158		
(B) Period Hours	8760		8760		
(C) Net Gen (mWh) and Capacity Factor (%)	9,280,637	91.49	9,491,189	93.56	
(D) Net mWh Not Gen due to Full Schedule Outages	687,852	6.78	791,628	7.80	
* (E) Net mWh Not Gen due to Partial Scheduled Outages	66,426	0.65	22,030	0.22	
(F) Net mWh Not Gen due to Full Forced Outages	165,690	1.63	0	0.00	
* (G) Net mWh Not Gen due to Partial Forced Outages	-56,525	-0.55	-160,767	-1.58	
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00	
* (I) Core Conservation	0	0.00	0	0.00	
(J) Net mWh Possible in Period	10,144,080	100.00%	10,144,080	100.00%	
(K) Equivalent Availability (%)		90.28		91.87	
(L) Output Factor (%)		99.89		101.48	
(M) Heat Rate (BTU/NkWh)		10,023		10,035	

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September 2018 - August 2019 **Catawba Nuclear Station**

	Unit	<u>1</u>	Unit	2
(A) MDC (mW)	1160		1150	
(B) Period Hours	8760		8760	
(C) Net Gen (mWh) and Capacity Factor (%)	9,500,110	93.49	10,112,467	100.38
(D) Net mWh Not Gen due to Full Schedule Outages	682,776	6.72	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	45,944	0.45	15,196	0.15
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-67,230	-0.66	-53,663	-0.53
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00
* (I) Core Conservation	0	0.00	0	0.00
(J) Net mWh Possible in Period	10,161,600	100.00%	10,074,000	100.00%
(K) Equivalent Availability (%)		92.99		99.98
(L) Output Factor (%)		100.22		100.38
(M) Heat Rate (BTU/NkWh)		10,109		10,057

Belews Creek Station

	Unit 1	Unit 2
(A) MDC (mW)	1,110	1,110
(B) Period Hrs	8,760	8,760
(C) Net Generation (mWh)	4,632,807	2,825,925
(D) Capacity Factor (%)	47.64	29.06
(E) Net mWh Not Generated due to Full Scheduled Outages	1,389,295	3,387,350
(F) Scheduled Outages: percent of Period Hrs	14.29	34.84
(G) Net mWh Not Generated due to Partial Scheduled Outages	2,443	14,669
(H) Scheduled Derates: percent of Period Hrs	0.03	0.15
(I) Net mWh Not Generated due to Full Forced Outages	87,875	138,325
(J) Forced Outages: percent of Period Hrs	0.90	1.42
(K) Net mWh Not Generated due to Partial Forced Outages	152,216	113,762
(L) Forced Derates: percent of Period Hrs	1.57	1.17
(M) Net mWh Not Generated due to Economic Dispatch	3,458,965	3,243,569
(N) Economic Dispatch: percent of Period Hrs	35.57	33.36
(O) Net mWh Possible in Period	9,723,600	9,723,600
(P) Equivalent Availability (%)	83.22	62.42
(Q) Output Factor (%)	74.11	66.59
(R) Heat Rate (BTU/NkWh)	9,293	9,651

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- Data is reflected at 100% ownership.
- Footnote: (R) Includes Light Off BTU's

Buck Combined Cycle Station

	Unit 11	Unit 12	Unit ST10	Block Total
(A) MDC (mW)	206	206	312	724
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,259,036	1,265,031	1,913,438	4,437,505
(D) Capacity Factor (%)	69.77	70.10	70.01	69.97
(E) Net mWh Not Generated due to Full Scheduled Outages	295,404	292,599	414,310	1,002,313
(F) Scheduled Outages: percent of Period Hrs	16.37	16.21	15.16	15.80
(G) Net mWh Not Generated due to Partial Scheduled Outages	123,707	123,923	23,686	271,316
(H) Scheduled Derates: percent of Period Hrs	6.86	6.87	0.87	4.28
(I) Net mWh Not Generated due to Full Forced Outages	185	0	0	185
(J) Forced Outages: percent of Period Hrs	0.01	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	126,228	123,007	381,686	630,921
(N) Economic Dispatch: percent of Period Hrs	6.99	6.82	13.97	9.95
(O) Net mWh Possible in Period	1,804,560	1,804,560	2,733,120	6,342,240
(P) Equivalent Availability (%)	76.76	76.92	83.97	79.92
(Q) Output Factor (%)	84.13	84.42	82.99	83.72
(R) Heat Rate (BTU/NkWh)	10,231	9,983	2,446	6,803

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- Data is reflected at 100% ownership.
- Footnote: (R) Includes Light Off BTU's

Dan River Combined Cycle Station

	Unit 8	Unit 9	Unit ST07	Block Total
(A) MDC (mW)	199	199	320	718
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,442,615	1,427,995	2,110,068	4,980,678
(D) Capacity Factor (%)	82.75	81.92	75.27	79.19
(E) Net mWh Not Generated due to Full Scheduled Outages	89,444	97,842	145,648	332,934
(F) Scheduled Outages: percent of Period Hrs	5.13	5.61	5.20	5.29
(G) Net mWh Not Generated due to Partial Scheduled Outages	134,801	134,191	8,514	277,506
(H) Scheduled Derates: percent of Period Hrs	7.73	7.70	0.30	4.41
(I) Net mWh Not Generated due to Full Forced Outages	8,139	8,338	14,331	30,808
(J) Forced Outages: percent of Period Hrs	0.47	0.48	0.51	0.49
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	66,235	66,235
(L) Forced Derates: percent of Period Hrs	0.00	0.00	2.36	1.05
(M) Net mWh Not Generated due to Economic Dispatch	68,241	74,874	458,404	601,520
(N) Economic Dispatch: percent of Period Hrs	3.91	4.30	16.35	9.56
(O) Net mWh Possible in Period	1,743,240	1,743,240	2,803,200	6,289,680
(P) Equivalent Availability (%)	86.67	86.21	91.63	88.75
(Q) Output Factor (%)	87.90	88.22	80.15	84.52
(R) Heat Rate (BTU/NkWh)	10,612	10,581	2,358	7,106

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- Data is reflected at 100% ownership.
- Footnote: (R) Includes Light Off BTU's

Marshall Station

	Unit 3	Unit 4
(A) MDC (mW)	658	660
(B) Period Hrs	8,760	8,760
(C) Net Generation (mWh)	2,558,695	3,235,647
(D) Capacity Factor (%)	44.39	55.96
(E) Net mWh Not Generated due to Full Scheduled Outages	554,124	773,036
(F) Scheduled Outages: percent of Period Hrs	9.61	13.37
(G) Net mWh Not Generated due to Partial Scheduled Outages	0	1,290
(H) Scheduled Derates: percent of Period Hrs	0.00	0.02
(I) Net mWh Not Generated due to Full Forced Outages	608,990	215,545
(J) Forced Outages: percent of Period Hrs	10.57	3.73
(K) Net mWh Not Generated due to Partial Forced Outages	22,319	77,975
(L) Forced Derates: percent of Period Hrs	0.39	1.35
(M) Net mWh Not Generated due to Economic Dispatch	2,019,952	1,478,107
(N) Economic Dispatch: percent of Period Hrs	35.04	25.57
(O) Net mWh Possible in Period	5,764,080	5,781,600
(P) Equivalent Availability (%)	79.43	81.53
(Q) Output Factor (%)	70.32	74.55
(R) Heat Rate (BTU/NkWh)	9,693	9,523

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- Data is reflected at 100% ownership.
- Footnote: (R) Includes Light Off BTU's

WS Lee Combined Cycle

	Unit 11	Unit 12	Unit ST10	Block Total
(A) MDC (mW)	232	232	337	801
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,584,178	1,577,629	2,180,635	5,342,442
(D) Capacity Factor (%)	77.84	77.74	73.87	76.14
(E) Net mWh Not Generated due to Full Scheduled Outages	275,063	279,636	394,998	949,696
(F) Scheduled Outages: percent of Period Hrs	13.52	13.78	13.38	13.54
(G) Net mWh Not Generated due to Partial Scheduled Outages	32,419	30,049	98,562	161,031
(H) Scheduled Derates: percent of Period Hrs	1.59	1.48	3.34	2.30
(I) Net mWh Not Generated due to Full Forced Outages	96,569	109,081	144,595	350,245
(J) Forced Outages: percent of Period Hrs	4.75	5.38	4.90	4.99
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	173	173
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.01	0.00
(M) Net mWh Not Generated due to Economic Dispatch	46,885	32,888	133,157	212,930
(N) Economic Dispatch: percent of Period Hrs	2.30	1.62	4.51	3.03
(O) Net mWh Possible in Period	2,035,114	2,029,283	2,952,120	7,016,517
(P) Equivalent Availability (%)	79.99	79.22	78.38	79.18
(Q) Output Factor (%)	96.08	96.85	91.27	94.28
(R) Heat Rate (BTU/NkWh)	10,292	10,219	2,567	7,117

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- Data is reflected at 100% ownership.
- Footnote: (R) Includes Light Off BTU's

Cliffside Station

Units		Unit 6	
(A)	MDC (mW)	847	
(B)	Period Hrs	8,760	
(C)	Net Generation (mWh)	4,142,475	
(D)	Net mWh Possible in Period	7,422,595	
(E)	Equivalent Availability (%)	73.65	
(F)	Output Factor (%)	79.75	
(G)	Capacity Factor (%)	55.81	

Notes:

 Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Cliffside Station

Units		Unit 5	
(A)	MDC (mW)	546	
(B)	Period Hrs	8,760	
(C)	Net Generation (mWh)	1,563,818	
(D)	Net mWh Possible in Period	4,782,960	
(E)	Equivalent Availability (%)	72.74	
(F)	Output Factor (%)	67.92	
(G)	Capacity Factor (%)	32.70	

Notes:

 Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

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Duke Energy Carolinas Outages for 100 mW or Larger Units August, 2019

Full Outage Hours

		un Outage Hours			
Unit Name	Capacity Rating (mW)	Scheduled	Unscheduled	Total	
Oconee 1	847	0.00	0.00	0.00	
Oconee 2	848	0.00	0.00	0.00	
Oconee 3	859	0.00	0.00	0.00	
McGuire 1	1,158	0.00	0.00	0.00	
McGuire 2	1,158	0.00	0.00	0.00	
Catawba 1	1,160	0.00	0.00	0.00	
Catawba 2	1,150	0.00	0.00	0.00	

Duke Energy Carolinas Outages for 100 mW or Larger Units August 2019

	Capacity	Full Ou	tage Hours	Iours Total Outage	
Unit Name	Rating (mW)	Scheduled	Unscheduled	Hours	
Allen Steam 1	167	0.00	0.00	0.00	
Allen Steam 2	167	0.00	5.92	5.92	
Allen Steam 3	270	0.00	0.00	0.00	
Allen Steam 4	267	0.00	0.00	0.00	
Allen Steam 5	259	0.00	40.95	40.95	
Belews Creek Steam 1	1,110	98.47	0.00	98.47	
Belews Creek Steam 2	1,110	0.00	0.00	0.00	
Buck CC 11	206	0.00	0.90	0.90	
Buck CC 12	206	0.00	0.00	0.00	
Buck CC ST10	312	0.00	0.00	0.00	
Cliffside Steam 5	546	0.00	41.75	41.75	
Cliffside Steam 6	849	0.00	0.00	0.00	
Dan River CC 8	199	0.00	0.00	0.00	
Dan River CC 9	199	0.00	0.00	0.00	
Dan River CC ST7	320	0.00	0.00	0.00	
Lee Steam 3	173	0.00	0.00	0.00	
Marshall Steam 1	380	24.02	0.00	24.02	
Marshall Steam 2	380	0.00	0.00	0.00	
Marshall Steam 3	658	0.00	0.00	0.00	
Marshall Steam 4	660	0.00	153.13	153.13	
Rockingham CT1	179	6.17	0.00	6.17	
Rockingham CT2	179	13.52	27.25	40.77	
Rockingham CT3	179	7.48	0.00	7.48	
Rockingham CT4	179	19.20	0.00	19.20	
Rockingham CT5	179	33.00	0.00	33.00	

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- Data is reflected at 100% ownership.

Duke Energy Carolinas Outages for 100 mW or Larger Units August 2019

	Capacity	Full Outage Hours		Total Outage
Unit Name	Rating (mW)	Scheduled	Unscheduled	Hours
WS Lee CC 11	237	0.00	0.00	0.00
WS Lee CC 12	236	0.00	0.00	0.00
WS Lee CC ST 10	337	0.00	0.00	0.00

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- Data is reflected at 100% ownership.